

REPORT

OUT63524

1967 NOV 6 23 35Z

P 062227Z NOV 67  
 FM NPIC WASHDC  
 TO AIG NINE SEVEN FIVE  
 BT

SECRET CITE NPIC 2180.

PREFACE  
 THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF  
 AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-991, 3 NOV 67.

((NOTE: TEXT THAT FOLLOWS IDENTICAL WITH THAT OF GLASS LAMP  
 MISSION ON G-991))

SECRET

END OF MESSAGE

((NOTE: ABOVE MESSAGE ALSO PASSED



DISTINGUISHED		
Ref. No.	Office	Action
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		
101		
102		
103		
104		
105		
106		
107		
108		
109		
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		
151		
152		
153		
154		
155		
156		
157		
158		
159		
160		
161		
162		
163		
164		
165		
166		
167		
168		
169		
170		
171		
172		
173		
174		
175		
176		
177		
178		
179		
180		
181		
182		
183		
184		
185		
186		
187		
188		
189		
190		
191		
192		
193		
194		
195		
196		
197		
198		
199		
200		
201		
202		
203		
204		
205		
206		
207		
208		
209		
210		
211		
212		
213		
214		
215		
216		
217		
218		
219		
220		
221		
222		
223		
224		
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		
275		
276		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
289		
290		
291		
292		
293		
294		
295		
296		
297		
298		
299		
300		
301		
302		
303		
304		
305		
306		
307		
308		
309		
310		
311		
312		
313		
314		
315		
316		
317		
318		
319		
320		
321		
322		
323		
324		
325		
326		
327		
328		
329		
330		
331		
332		
333		
334		
335		
336		
337		
338		
339		
340		
341		
342		
343		
344		
345		
346		
347		
348		
349		
350		
351		
352		
353		
354		
355		
356		
357		
358		
359		
360		
361		
362		
363		
364		
365		
366		
367		
368		
369		
370		
371		
372		
373		
374		
375		
376		
377		
378		
379		
380		
381		
382		
383		
384		
385		
386		
387		
388		
389		
390		
391		
392		
393		
394		
395		
396		
397		
398		
399		
400		
401		
402		
403		
404		
405		
406		
407		
408		
409		
410		
411		
412		
413		
414		
415		
416		
417		
418		
419		
420		
421		
422		
423		
424		
425		
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		
436		
437		
438		
439		
440		
441		
442		
443		
444		
445		
446		
447		
448		
449		
450		
451		
452		
453		
454		
455		
456		
457		
458		
459		
460		
461		
462		
463		
464		
465		
466		
467		
468		
469		
470		
471		
472		
473		
474		
475		
476		
477		
478		
479		
480		
481		
482		
483		
484		
485		
486		
487		
488		
489		
490		
491		
492		
493		
494		
495		
496		
497		
498		
499		
500		
501		
502		
503		
504		
505		
506		
507		
508		
509		
510		
511		
512		
513		
514		
515		
516		
517		
518		
519		
520		
521		
522		
523		
524		
525		
526		
527		
528		
529		
530		

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF  
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-991, 3 NOV 67.

THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE  
COMIREX TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE  
APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--  
C @CLEAR@, SC @SCATTERED CLOUD COVER@, HC @HEAVY CLOUD COVER@,  
H @HAZE@, CS @CLOUD SHADOW@, SD @SEMITDARKNESS@, GC  
@GROUND COVER@, CF @CAMOUFLAGE@, O @OBliquity@, AND  
GR @GROUND RESOLUTION@.

OUT63524

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS  
G @GOOD@, F @FAIR@, OR P @POOR@. THE EXTENT OF  
TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL@  
OR PT @PARTIAL@. THE MODE OF COVERAGE IS SIGNIFIED  
BY ST @STEREO@, NS @NONSTEREO@, OR PS @PARTIAL STEREO@.  
AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT  
@21-75 MM@, MEDIUM @76-100 MM@, HEAVY @OVER 100 MM@, AND AUTOMATIC  
WEAPONS @ZPU-1, ZPU-2, AND ZPU-4@. IF THE CATEGORY CANNOT BE  
DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER  
OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED@,  
MISSILES

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2804N 87553W  
OB -- 2 MISSILE TRANSPORTERS, 3 MISSILE CANISTER  
TRANSPORTERS, 3 FLATBED TRACTOR TRAILER TRUCKS, 12  
CARGO TRUCKS, AND 4 OTHER VEHICLES.  
NO APPARENT CHANGE IN FACILITIES.

SANTIAGO DE CUBA SAM SITE 2 CU 1958N 87549W  
OB -- NONE OBSERVED.  
CONSTRUCTION CONTINUES.

PALMA SORIANO SAM SITE AB2-2 CU 2815N 87559W  
OB -- 6 EMPLACED LAUNCHERS, 18 MISSILE TRANSPORTERS @1  
WITH EXPOSED MISSILE@, AN OCCUPIED GUIDANCE AREA, AND A  
PROBABLE ACQUISITION RADAR.  
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT AREAS.

CONSTANCIA SAM SITE A10-2 CU 2214N 88038W  
OB -- 6 EMPLACED LAUNCHERS, 18 MISSILE TRANSPORTERS,  
OCCUPIED GUIDANCE AND ACQUISITION RADAR REVETMENTS, AND  
AT LEAST 30 VEHICLES.  
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

SAN PEDRO DE CACOCUM SAM SITE AB6-2 CU 2845N 87615W  
OB -- 6 EMPLACED LAUNCHERS AND AN OCCUPIED CENTRAL  
GUIDANCE AREA.  
NO APPARENT CHANGE IN SUPPORT AND LAUNCH AREAS.

25X1

25X1

25X1

25X1

LA MAYA SAM SITE A35-2 CU 2014N 07540W Approved For Release 2006/10/12 : CIA-RDP78B03817A000900020004-0  
OB -- 6 EMPLACED LAUNCHERS.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO SAM TRAINING AREA CU 1958N 07551W  
OB -- 1 MISSILE TRANSPORTER, 14 CARGO TRUCKS, 10 VAN  
TRUCKS, 1 TRUCK-MOUNTED CRANE, AND 3 CARGO TRAILERS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

AIR FACILITIES  
CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07758W  
OB -- 2 PROBABLE COLT, 1 C-47, AND AT LEAST 6 HOUND.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W  
OB -- 2 PROBABLE CRATE.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07558W  
OB -- 1 COOT, 1 CRATE, 1 C-47, 2 MOROVA L-200, AND 4  
HOUND.

25X1

KAWAMA AIRFIELD CU 2307N 08117W  
OB -- 1 CRATE.

25X1

JAIME GONZALES AIRFIELD CU 2289N 08024W  
OB -- 2 COLT AND 1 HOUND.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W  
OB -- NONE OBSERVED.  
RUNWAY APPEARS TO BE UNSERVICEABLE.

25X1

BAYAMO AIRFIELD CU 2023N 07637W  
OB -- 15 COLT AND 4 HOUND.  
RUNWAY IS SERVICEABLE AND SURFACING CONTINUES.

25X1

NAVAL ACTIVITY/PORTS  
CIENFUEGOS PORT A NAVAL FACILITIES CU 2208N 08527W  
OB -- 2 KRONSHTADT PC, 7 PROBABLE P-6 PT, 2 P-6/P-4 PT  
ON MARINE RAILWAY, AND 2 P-4 PT.  
OTHER VESSELS -- 4 LARGE FREIGHTERS.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07558W  
OB -- NONE OBSERVED.  
OTHER VESSELS -- 8 FREIGHTERS AND 3 COASTAL FREIGHTERS.

25X1

MANZANILLO PORT CU 2021N 07707W  
VESSELS -- 2 LARGE FREIGHTERS.

25X1

Approved For Release 2006/10/12 : CIA-RDP78B03817A000900020004-0

25X1

CAIBARIEN PORT CU 2231N 07928W  
VESSELS -- NONE OBSERVED.

25X1

CARDENAS PORT CU 2302N 08111W  
VESSELS -- 1 LARGE FREIGHTER AND 1 COASTAL FREIGHTER.  
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE ON MAIN PIER.

25X1

CASILDA PORT FACILITIES CU 2145N 07959W  
NO LARGE VESSELS OBSERVED.

25X1

MATANZAS PORT FACILITIES CU 2302N 08134W  
VESSELS -- 3 LARGE FREIGHTERS.

25X

ELECTRONICS/COMMUNICATIONS  
SANTIAGO DE CUBA AW RADAR FAC CU 1959N 07551W  
OB -- NONE OBSERVED.  
ACTIVITY -- 14 VEHICLES/PIECES OF EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1

CARDENAS RADAR FAC HICACOS PENINSULA CU 2311N 08108W  
OB -- NONE OBSERVED.  
NO APPARENT CHANGE IN FACILITIES.

25X1

MILITARY ACTIVITY  
ALTO CEDRO MILITARY CAMP CU 2029N 07688W  
OB -- AREA 1 -- AT LEAST 40 VEHICLES.  
AREA 2 -- 4 VEHICLES/PIECES OF EQUIPMENT.  
AREA 3 -- AT LEAST 10 VEHICLES.  
AREA 4 -- 10 PROBABLE TANK/SP GUNS, 21 PROBABLE CARGO  
TRUCKS, AND 11 OTHER VEHICLES/PIECES OF EQUIPMENT.  
AREA 5 -- AT LEAST 20 VEHICLES/PIECES OF EQUIPMENT.  
AREA 6 -- NONE OBSERVED.  
AREA 7 -- IDENTIFICATION ONLY.

25X1

DOS CAMINOS MILITARY CAMP CU 2014N 07547W  
OB -- 16 FA PIECES, 9 AAA PIECES/MORTARS, 8 PROBABLE  
TRACKED PRIME MOVERS, 30 CARGO TRUCKS, AND AT LEAST 10  
OTHER VEHICLES.  
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO MILITARY CAMP CUABITAS CU 2003N 07548W  
OB -- 7 PROBABLE TANKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1

JURAGUA MILITARY CAMP NW CU 2209N 08035W  
OB -- NONE OBSERVED.

25X1

SANTIAGO MILITARY CAMP LA QUINTA CU 2003N 07551W  
OB -- NONE OBSERVED.  
NO APPARENT CHANGE IN FACILITIES.

SANTIAGO DE CUBA MILITARY BKS NW CU 2003N 07554W  
OB -- 5 FA PIECES, 11 MORTARS, AND 47 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07553W  
OB -- 21 FA PIECES, 10 AAA PIECES, 23 MORTARS, 58 CARGO  
TRUCKS, AND 4 OTHER VEHICLES.  
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES AND 1 OCCUPIED  
3-GUN AAA SITE.  
NO APPARENT CHANGE IN FACILITIES.

SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL CU 2001N 07547W  
OB -- 33 FA PIECES, 15 MORTARS, AND 23 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

OBOURKE MILITARY CAMP CU 2209W 08027W  
OB -- 8 FA PIECES AND AT LEAST 6 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
LA SOCAPA LOW SIEVE RADAR SITE	1958N 07552W
MANICARAGUA STORAGE AREA	2206N 07958W
SIBONEY LANDING BEACH	1957N 07542W
MATANZAS LANDING BEACH	2301N 08126W
CIENFUEGOS LANDING BEACH	2202N 08036W
MAR VERDE LANDING BEACH	1957N 07556W
ENSENADA COLORADO LANDING BEACH	2202N 08025W
PENINSULA DE HICACOS LANDING BEACH	2311N 08138W
THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--	
SANTIAGO DE CUBA SAM SITE A23-2	1959N 07558W
HOLGUIN AIRFIELD SAM SITE	2046N 07619W
LA VEGUITA SAM ASSEMBLY AREA	2049N 07615W
HOLGUIN AW RADAR FACILITY	2048N 07618W
GUANTANAMO AREA	2018N 07525W
HOLGUIN MILITARY CAMP EAST	2053N 07613W
CORRALILLO MILITARY AREA	2301N 08038W
EL CRISTO MILITARY INSTALLATION	2018N 07547W
LIMONAR MILITARY CAMP CAMPO DE TIRO SE	2255N 08124W
MINAS MILITARY CAMP FUNDICION	2127N 07734W
OFELIA MILITARY CAMP	2056N 07538W
LA CHARCA MILITARY ACTIVITY	2246N 08036W
PURIAL DE JIBACOA MILITARY CAMP	2057N 07788W
SANTIAGO MIL CAMP SW EARTH-COVERED BUNKER	1959N 07558W